

## CLAIMS

We claim:

1. An apparatus for head mounting gear for hands free operation, comprising:  
a head mounting means comprising an encircling band adapted to encircle a head of a wearer and a top band adapted to go over the top of the head of the wearer and connected to said encircling band;  
a mounting bracket mounted to said encircling band, said mounting bracket having a pivot means;  
a support bar having a proximal and a distal end, said support bar being pivotally mounted at its proximal end to said pivot means of said mounting bracket;  
said support bar being lockable by a detent mechanism in a position for use and a position for storage;  
a quick release mounting mechanism mounted on the distal end of said support bar;  
gear mounted to said quick release mounting mechanism being selected to be binoculars or a range finder; and  
wherein said gear may be used without being held by hand.
2. An apparatus in accordance with Claim 1 wherein said encircling band and said top band are made of neoprene.
3. An apparatus in accordance with Claim 1 wherein said proximal end of said support bar is provided with a spring loaded releasable pin which mates with an opening in

said mounting bracket to form said detent mechanism.

4. An apparatus in accordance with Claim 3 wherein said pin in the proximal end of said support bar is released by a pin release means.

5. An apparatus in accordance with Claim 1 wherein said quick release mounting mechanism is pivotally mounted on the distal end of said support bar.

6. An apparatus in accordance with Claim 1 wherein said quick release mounting mechanism has a channel for receiving a pair of guide rails on a selected gear.

7. An apparatus in accordance with Claim 1 wherein said support bar has two sections formed at approximately 90 degrees to each other.

8. An apparatus in accordance with Claim 7 wherein said two sections of said support bar are provided with means for adjusting the length of each section.

9. An apparatus in accordance with Claim 1 wherein said gear is selected to be a range finder and wherein said range finder is provided with a remote control.

10. An apparatus in accordance with Claim 9 wherein said remote control for said range finder is provided with a clip for clipping said remote control to an article of clothing of the wearer.

11. An apparatus in accordance with Claim 1 wherein said encircling band is provided with means for adjusting its length.

12. An apparatus in accordance with Claim 1 wherein said top band is provided with means for adjusting its length.

13. An apparatus in accordance with Claim 1 wherein said support bar is lockable by said detent mechanism in a second position for use, wherein the use position may be

selected to accommodate the wearer.

14. An apparatus in accordance with Claim 7 wherein said sections are adjustable in length by tubing slidable one within the other and being retained in position by a tightenable clutch.

15. An apparatus in accordance with Claim 1 wherein said quick release mounting mechanism is provided with a spring clip which retains a pair of guide rails on the gear in a channel formed in said quick release mounting mechanism.

16. An apparatus in accordance with Claim 6 wherein said channel is provided with a resilient pad at its distal end for securely retaining said pair of guide rails in position without movement.

17. An apparatus in accordance with Claim 1 wherein said quick release mounting mechanism is adjustably pivotally mounted on the distal end of said support bar.

18. An apparatus in accordance with Claim 1 wherein said mounting bracket includes a stop to prevent said support bar from pivoting beyond a predetermined point thereby preventing said gear from contacting the wearer.